

## Proposal Full View

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### Applicant Information

Organization Name

Sierra Resource Conservation District \*

Tax ID

999999917

Proposal Name

Community Groundwater Monitoring, Analysis  
and Planning in Sierra Nevada Granitic  
Fractured Rock within a Non-Basin region,  
eastern Fresno County \*

Proposal Objective

The objective of this project would to use two school sites in which to monitor and track groundwater usage with seasonal and long term trends analyzed on a permanent basis. The intent is to better understand the underlying geology and hydrological processes and the subsequent recharge capabilities with a goal of long-term sustainability of these key wells over time. Information collected on a real-time basis will also be integrated with DWR's CASGEM, California State Groundwater Elevation Monitoring and WDL, Water Data Library databases. Furthermore, it is expected that the approach, protocols, methodologies, and state-of-the-art technologies utilized can be a framework for conducting further studies with the Southern Sierra Integrated Regional Water Management IRWM Planning Group and their communities that rely upon groundwater as a major resource. The eastern portion of the County is geologically situated in a granitic fractured rock non-basin area within the Sierra Nevada foothills in which 99 percent of all water demand is reliant upon groundwater predominately through private wells and is outside of Fresno County's AB3030 Groundwater Management Plan. Recently, under a prior LGA grant from DWR, the WAC adopted a Technical Memorandum as a Blue Print for this project proposal and improved groundwater management within the unincorporated communities of Prather, Auberry and Tollhouse. The long-term goal is to have the community understand through information provided and consensus as to the current and future groundwater supply with verifiable and real-time data. With public awareness, then Fresno County can move forward on developing groundwater management policies with long-term sustainability - with the greater likelihood of public acceptance and support. \*

### Budget

Other Contribution

\$0.00

Local Contribution

\$14,500.00

Federal Contribution

\$0.00

Inkind Contribution

\$3,600.00

Amount Requested

\$141,675.00 \*

Total Project Cost

\$159,775.00 \*

### Geographic Information

Latitude \*

DD(+/-) 37 MM 23 SS 59

Longitude \*

DD(+/-) 119 MM 29 SS 52

Longitude/Latitude Clarification

This is the mid-point based  
upon Highway  
168 as landmark  
of two locations

Location

Unincorporated  
towns of  
Auberry and  
Prather

County

Fresno \*

Ground Water Basin

Hydrologic Region

San Joaquin

Watershed

100-6540 Upper San Joaquin  
River Basin - Big Sandy and  
Little Dry Creek sub-watersheds

### Legislative Information

Assembly District

29th Assembly District \*

Senate District  
US Congressional District

14th Senate District \*  
District 20 (CA) \*

## Project Information

Project Name

Implementing Organization	Sierra Resource Conservation District
Secondary Implementing Organization	Fresno County Water Advisory Committee
Proposed Start Date	4/1/2013
Proposed End Date	3/31/2014
Project Scope	Upgrading 2 school sites with groundwater monitoring equipment to develop trend analysis of usage with Community involvement.
Project Description	<p>The work plan's scope includes upgrading to a state-of-the-art condition two school sites in which to monitor and track groundwater usage with seasonal and long term trends analyzed within the Big Sandy Watershed of the upper San Joaquin River Basin, (USGS HUC 18040006). The school sites service the unincorporated communities of Prather, Auberry and Tollhouse. The intent is to use the two school sites to better understand the underlying geology and hydrological processes – and the subsequent recharge capabilities with a goal of long-term sustainability of these key wells over time. Information collected on a real-time basis will also be integrated with DWR's CASGEM (California State Groundwater Elevation Monitoring) and WDL (Water Data Library) databases. Furthermore, it is expected that the approach, protocols, methodologies and state-of-the-art technologies utilized can be a framework for conducting further studies with the Southern Sierra Integrated Regional Water Management (IRWM) Planning Group and their communities that rely upon groundwater as a major resource. Included with the monitoring and analysis is a groundwater management planning and community education component. The long-term goal is to have the community understand through information provided and consensus building as to the current and future groundwater supply with verifiable and real-time data. With public awareness, then Fresno County can move forward on developing groundwater management policies within non-basin areas with long-term sustainability – with the added benefit of a greater likelihood of public acceptance and support.</p>
Project Objective	<p>The project objective is to develop the ability with the two groundwater monitoring sites to provide the public the ability to begin understanding the underlying hydrological dynamics related to shared groundwater supplies. And, to develop support in implementing management practices on a voluntary basis that will improve the overall sustainability of this finite resource.</p>

## Project Benefits Information

Project Benefit Type	Benefit Type	Measurement	Description
Primary	Water Use Efficiency - Conservation-Water Demand/Conservation	0	Installation of GW management equipment
Secondary	Other-Improved Water Supply Facilities	0	
Tertiary	Groundwater Management-Flow measurements performed	0	Realtime data
Quaternary	Modeling-Groundwater modeling developed or improved	0	Demand Management

## Project Objective

**Budget**

Other Contribution	0
Local Contribution	14500
Federal Contribution	0
Inkind Contribution	3600
Amount Requested	141675
Total Project Cost	159775

**Geographic Information**

Latitude DD(+/-)  MM  SS

Longitude DD(+/-)  MM  SS

Longitude/Latitude Clarification  Location

County Fresno Ground Water Basin Hydrologic Region San Joaquin WaterShed

**Legislative Information**

Assembly District	29th Assembly District
Senate District	14th Senate District
US Congressional District	District 20 (CA)

**Section : Applicant Information and Question's Tab****APPLICANT INFORMATION AND QUESTION'S TAB****Q1. Applicant Information**

**Provide the agency name, address, city, state, and zip code of the applicant submitting the application.**

Sierra Resource Conservation District 36281 Lodge Rd., Tollhouse, CA 93667

**Q2. Proposal Description:**

**Provide a brief abstract of the Proposal. This abstract must provide an overview of the proposal including the main issues and priorities addressed in the proposal. Within the abstract, please describe how the proposal relates to the GWMP's BMO's.**

As stated the primary objective of this project would be to use two school sites in which to monitor and track groundwater usage with seasonal and long term trends analyzed on a permanent basis. The intent is to better understand the underlying geology and hydrological processes and the subsequent recharge capabilities with a goal of long-term sustainability of these key wells over time. Information collected on a real-time basis will also be integrated with DWR's CASGEM, California State Groundwater Elevation Monitoring and WDL, Water Data Library databases. Furthermore, it is expected that the approach, protocols, methodologies and state-of-the-art technologies utilized can be a framework for conducting further studies with the Southern Sierra Integrated Regional Water Management IRWM Planning Group and their communities that rely upon groundwater as a major resource. The eastern portion of the County is geologically situated in a granitic fractured rock non-basin area within the Sierra Nevada foothills in which 99% of all water demand is reliant upon groundwater predominately through private wells and is outside of Fresno County's AB3030 Groundwater Management Plan as adopted on March 11, 1997. Fresno County has declared the eastern portion of the county to be a water scarce region and has supported efforts to better manage these finite resources through research, education and policy changes. Most recently under the prior grant, the WAC has adopted a Technical Memorandum as a Blue Print for this project proposal and improved groundwater management in non-basin areas of the upper San Joaquin River within the unincorporated communities of Prather, Auberry and Tollhouse. The long-term goal is to have the community understand through information provided and consensus as to the current and future groundwater supply with verifiable and real-time data. With public awareness, then Fresno County can move forward on developing groundwater management policies with long-term sustainability with the greater likelihood of public acceptance and support.

**Q3. Project Director:**

**Provide the name and details (including email) of the person responsible for executing the grant agreement for the applicant. Persons that are subcontractors to be paid by the grant cannot be listed as the Project Director.**

Teryle Sandridge President Board of Directors Sierra Resource Conservation District 36281 Lodge Rd., Tollhouse, CA 93667 (559) 855-2255 sandrits@netptc.net

**Q4. Project Manager:**

**Provide the name and contact information (including email) of the Project Manager from the applicant agency or organization that will be the day-to-day contact on this application.**

Steve Haze Project Manager Sierra Resource Conservation District PO Box 693 Auberry, CA 93602 (559) 855-5840 / 970-6320  
stevehaze007@gmail.com

**Q5. Additional Information:**

**Based on the region's location, what is the applicable DWR region office (Northern, North Central, South Central, or Southern)? The following link can be used to view each DWR region office boundaries:**

[http://www.water.ca.gov/groundwater/groundwater\\_basics/gw\\_contacts\\_info.cfm](http://www.water.ca.gov/groundwater/groundwater_basics/gw_contacts_info.cfm)

- 1) ☐ Northern Region
- 2) ☐ North Central Region
- 3) ☒ South Central Region
- 4) ☐ Southern Region

**Q6. Additional Information:**

**Provide the Date of GWMP Adoption, if any, and list the pursuant Water Code Section or other legal Authority in which it was adopted.**

Fresno County Ground Water Management Plan was adopted by the Board of Supervisors on March 11, 1997 under AB3030

**Q7. Additional Information:**

**Provide a list of documents that support and indicate collaboration with other local public agencies with regard to the management of the affected groundwater basin (e.g., MOUs, MOAs, JPAs, adoption of a GWMP, recognition of county ordinances in permitting processes, or party to a groundwater basin adjudication order).**

Not Applicable. Project proposal is in a non-basin area. Technical Memorandum for establishing monitoring capabilities utilizing public school wells adopted by Fresno County Water Advisory Committee in February, 2012

**Q8. Additional Information**

**Name the entity(ies) providing the fund(s) reported in the above Budget section under the category "Other Contribution". If there are no "Other Contributions" Please answer this question with, "No Other Contributions".**

No Other Contributions

**Q9. Eligibility:**

**List the urban water suppliers that will receive funding from the proposed grant. Please provide the agency name, a contact phone number and email address. Those listed must submit self certification of compliance with CWC §525 et seq. and AB1420, see Attachment 10. If there are none, so indicate.**

Not applicable - none

**Q10. Eligibility:**

**Have all of the urban water suppliers, listed in Q9 above, submitted complete 2010 UWMP to DWR? If not, explain why. Have those plans been verified as complete by DWR? If not, explain current status.**

Not Applicable

**Q11. Completeness Check:**

**Have all of the fields in the application been completed?**

Yes

**Q.11. Completeness Check (cont)**

**If no, please explain. If yes, answer this question with "NA".**

## Section : Application Attachments Tab

### APPLICATION ATTACHMENTS TAB

#### Attachment 1. Authorizing Documentation

Upload authorizing documentation here. Ensure file name is consistent with the LGA Grant PSP, Section II. "How to Submit An Application".

Last Uploaded Attachments: Att1\_LGA12\_SRCD\_AuthDoc\_1of1.pdf

#### Attachment 2. Eligible Applicant Documentation

Upload eligible documentation here. Ensure file name is consistent with the LGA Grant PSP, Section II. "How to Submit An Application".

Last Uploaded Attachments: Att2\_LGA12\_SRCD\_EligDoc\_1of1.pdf

#### Attachment 3. Status of GWMP

Upload the GWMP documentation here. Ensure file name is consistent with the LGA Grant PSP, Section II. "How to Submit An Application".

Last Uploaded Attachments: Att3\_LGA12\_SRCD\_GWMP\_1of1.pdf

#### Attachment 4. Project Description

Upload project description here. Ensure file name is consistent with the LGA Grant PSP, Section II. "How to Submit An Application".

Last Uploaded Attachments: Att4\_LGA12\_SRCD\_ProjD\_1of1.pdf

#### Attachment 5. Work Plan

Upload work plan here. Ensure file name is consistent with the LGA Grant PSP, Section II. "How to Submit An Application".

Last Uploaded Attachments: Att5\_LGA12\_SRCD\_WrkPln\_1of1.pdf

#### Attachment 6. Budget

Upload budget here. Ensure file name is consistent with the LGA Grant PSP, Section II. "How to Submit An Application".

Last Uploaded Attachments: Att6\_LGA12\_SRCD\_Budget\_1of1.pdf

#### Attachment 7. Schedule

Upload schedule here. Ensure file name is consistent with the LGA Grant PSP, Section II. "How to Submit An Application".

Last Uploaded Attachments: Att7\_LGA12\_SRCD\_SCHED\_1of1.pdf

#### Attachment 8. Quality Assurance

Upload quality assurance documentation here. Ensure file name is consistent with the LGA Grant PSP, Section II. "How to Submit An Application".

Last Uploaded Attachments: Att8\_LGA12\_SRCD\_QA\_1of1.pdf

#### Attachment 9. Past Performance

Upload past performance documentation here. Ensure file name is consistent with the LGA Grant PSP, Section II. "How to Submit An Application".

Last Uploaded Attachments: Att9\_LGA12\_SRCD\_PERFORM\_1of1.pdf

#### Attachment 10. AB1420 and Water Meter Implementation Compliance

**Upload 1420 and water meter implementation documentation here, if applicable. Ensure file name is consistent with the LGA Grant PSP, Section II. "How to Submit An Application".**

Last Uploaded Attachments: Att10\_LGA12\_SRCD\_1420\_1of1.pdf

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